

Metriso B530 Basic (Part No.: 7100.B530.MK)

- Suitable for resistance to ground and point-to-point resistance measurements according to IEC 61340-4-1 Ed. 2.0 and IEC 61340-2-3
- Suitable for measuring the electrical resistance of footwear and flooring in combination with a person according to IEC 61340-4-5.
- Low ohmic measurement range 1Ω - $10k\Omega$ to measure the resistance of grounded objects
- Digital and analog display with bar graph or pointer
- Optical Indicator LED red and green for voltage measuring range
- Optical Indicator LED red for Test/Measuring
- Includes two Probes Model 870 according to IEC 61340-4-1 Ed. 2.0 / IEC 61340-2-3 extension and a handheld probe according to IEC 61340-4-5



Probe Modell 870



Extension for Probe 870



Handheld probe Model 45

Technical Information

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Part No.: 7100.B530.MK



◆ Untere Gießwiesen 21 ◆ 78247 Hilzingen ◆ Tel.: +49-7731-86880 ◆ Fax: +49-7731-868830

Technical data:

Test voltage: DC 10V, 100V, 500V
 Test range Resistance: 1 Ω bis 199 GΩ
 Operation: Battery operated
 Probe: 2 x Model 870
 1 x Handheld probe Model 45
 1 x Extension for Probe 870
 Size: 225 x 130 x 140 mm (WxHxD)
 Weight (complete KIT): 9 kg

Supplied with:

- Digital high resistance tester Metriso B530
- Connecting cables
- User's manual in German / English
- 2 probes Model 870 according to IEC 61340-4-1/2-3
- 1 handheld probe Model 45 according to IEC 61340-4-5
- 1 extension for Probe 870
- Conductive carrying case

Technical specifications

Meas. Qty.	U_M^2	Range	Measuring Range	Resolution	Intrinsic Uncertainty ¹	Measuring Uncertainty	Overload Capacity
RESΩ	10 V ³ 500 V 100 V ³	10 kΩ	1,0 kΩ ... 9,99 kΩ	0,01 k	±(5% rdg. + 10 d)	±(7% rdg. + 10 d)	500 V AC/DC TRMS
		100 kΩ	10,0 kΩ ... 99,9 kΩ	0,1 k	±(5% rdg. + 3 d) ⁵	±(7% rdg. + 3 d)	
		1 MΩ ⁴	100 kΩ ... 999 kΩ	1 k	±(5% rdg. + 3 d)	±(7% rdg. + 3 d)	
		10 MΩ	1,00 MΩ ... 9,99 MΩ	10 k	±(5% rdg. + 3 d)	±(7% rdg. + 3 d)	
		100 MΩ	10,0 MΩ ... 99,9 MΩ	100 k	±(5% rdg. + 3 d)	±(7% rdg. + 3 d)	
		1 GΩ	100 MΩ ... 999 MΩ	1 M	±(5% rdg. + 3 d)	±(7% rdg. + 3 d)	
		10 GΩ	1,00 GΩ ... 9,99 GΩ	10 M	±(5% rdg. + 3 d)	±(10% rdg. + 3 d)	
		100 GΩ	10,0 GΩ ... 99,9 GΩ	100 M	±(8% rdg. + 3 d)	±(10% rdg. + 3 d)	
		200 GΩ	100 GΩ ... 199 GΩ	1 G	±(15% rdg. + 5 d)	±(25% rdg. + 20 d)	
U AC/DC		100 V	10,0 V ... 99,9 V	0,1 V	±(2,5% rdg. + 3 d)	±(5% rdg. + 3 d)	500 V AC/DC TRMS
		500 V	100 V ... 499 V	1 V			
R	Display range as of 01,0 Ω	100 Ω	1,0 ... 99,9 Ω	0,1 Ω	±(2,5% rdg. + 3 d)	±(5% rdg. + 3 d)	500 V AC/DC TRMS
		1 kΩ	100 ... 999 Ω	1 Ω			
		10 kΩ	1,00 ... 9,99 kΩ	10 Ω			

- ▶ 1 year limited warranty
- ▶ Recommended calibration interval: 2 years

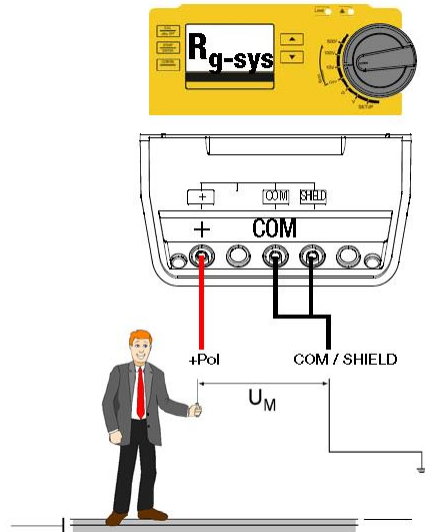
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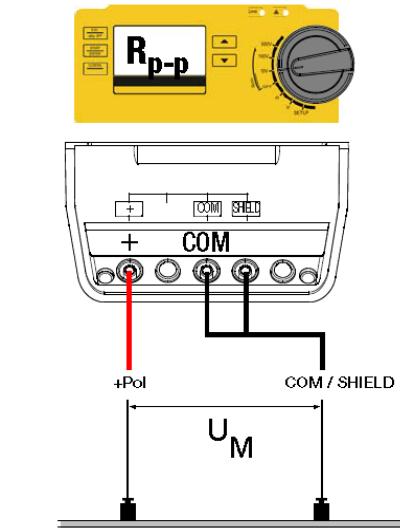
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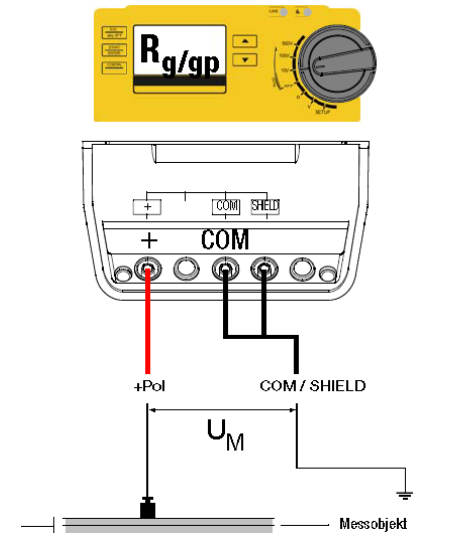
Possible measurements with the MetrISO B530 Test-Kit



$R_{G \text{ system}}$
Resistance of person /
ESD shoes / flooring to ground



R_{p-p}
Point to Point Resistance



R_G
Resistance to ground or groundable
point

Optional:

Part No.: 7100.TF530

Digital Thermo-Hygrometer



Part No.: 7100.2000.TR50

50m Cable reel with unroll
handle for floor measurement

